

Abstract of the Disclosure

Tire Bead Configuration

A pneumatic tire has a compact bead configuration, and high interlocking forces between the carcass ply cords and the bead cords. The carcass ply is formed from one or more cords wound continuously between a first end and a second end, wherein the at least the first end of the carcass ply is located in one tire bead portions. In the bead portion of the tire, the carcass ply cords are interwoven among a plurality of bead wires. The interwoven carcass ply cords follow a zigzag path.